Proposed Maximum Residue Limit PMRL2010-38

S-metolachlor

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Under the authority of the *Pest Control Products Act*, Health Canada's Pest Management Regulatory Agency (PMRA) has concluded that the addition of a new use on red (garden) beets to the product labels of Dual Magnum Herbicide and Dual II Magnum Herbicide, containing technical grade s-metolachlor, is acceptable. The specific use approved in Canada is detailed on the labels of Dual Magnum Herbicide and Dual II Magnum Herbicide, *Pest Control Products Act* Registration Numbers 25728 and 25729 respectively.

The evaluation of these s-metolachlor applications indicated the end-use products have merit and value and the human health and environmental risks associated with the new use are acceptable. Details regarding the registration can be found in the corresponding Evaluation Report that is available in the Pesticides and Pest Management section of Health Canada's website, under Public Registry, Pesticide Product Information Database.[1]

Before registering a pesticide for food use in Canada, the PMRA must determine the quantity of residues that are likely to remain in or on the food when the pesticide is used according to label directions and that such residues will not be a concern to human health. This quantity is then legally established as a maximum residue limit (MRL). An MRL applies to the identified raw agricultural food commodity as well as to any processed food product that contains it, except where separate MRLs are specified for the raw agricultural commodity and a processed product made from it.

Consultation on the proposed MRLs for s-metolachlor is being conducted via this document (see Next Steps, the last section of this document).

To comply with Canada's international trade obligations, consultation on the proposed MRLs is also being conducted internationally by notifying the World Trade Organization, as coordinated by the Standards Council of Canada.

The proposed MRLs for s-metolachlor in Canada in or on food, to be added to those MRLs already legally established, are as follows.

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1 The relevant report can be accessed by selecting the Programs and Special Actions/Minor Use/Historical tab and opening the Evaluation Report found under Application Number 2009-1356 (Dual) or 2009-1357 (Dual II).

Table 1 Proposed Maximum Residue Limits for S-metolachlor

Common Name	Residue Definition	MRL (ppm)	Food Commodity
S-metolachlor	2-chloro-*N*-(2-ethyl-6-methylphenyl)-*N*-[(1*S*)-2-methoxy-1-methylethyl)acetamide and 2-chloro-*N*-(2-ethyl-6-methylphenyl)-*N*-[(1*R*)-2-methoxy-1-methylethyl)acetamide, including the metabolites 2-[(2-ethyl-6-methylphenyl)amino]-1-propanol and 4-(2-ethyl-6-methylphenyl)-2-hydroxy-5-methyl-3-morpholinone	0.8 0.3	Garden beet tops Garden beet roots

A complete list of all MRLs established in Canada can be found on the Maximum Residue Limits for Pesticides webpage in the Pesticides and Pest Management section of Health Canada's website.

International Situation and Trade Implications

Table 2 compares the proposed Canadian MRLs for s-metolachlor with American tolerances (tolerances listed in the Electronic Code of Federal Regulations, 40 CFR Part 180, by pesticide) and Codex MRLs.[2] A listing of all established Codex MRLs is available on the Codex Alimentarius Pesticide Residues in Food website.

Table 2 Comparison of Canadian MRLs, American Tolerances and Codex MRLs

Food Commodity	Canadian MRL (ppm)	American Tolerance (ppm)	Codex MRL (ppm)
Garden beet tops	0.8	No tolerance established.	No MRL established
Garden beet roots	0.3	0.3 ("Vegetable, root, except sugar beet, subgroup 1B")	No MRL established

[2] Codex is an international organization under the auspices of the United Nations that develops international food standards, including MRLs.

Next Steps

The PMRA invites the public to submit written comments on the proposed MRLs for s-metolachlor up to 75 days from the date of publication of this document. Please forward your comments to Publications (see the contact information on the cover page of this document). The PMRA will consider all comments received before making a final decision on the proposed MRLs for s-metolachlor and posting a corresponding Established Maximum Residue Limit on the Pesticides and Pest Management portion of Health Canada's website.